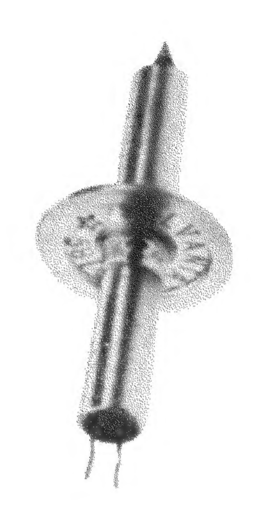
DESCRIPTION: UHF TRIODE

TYPE 5876

Pencil Tube Type 5876 is a high Mu triode designed for continuous wave operation up to 3000 megacycles.



ELECTRICAL RATINGS

Heater Voltage	6.3 V
Heater Current	135 mA
Max. Operating Frequency	3000 mc
Max. Glass-to-Metal Seal Temperature	175°C

TUBE CHARACTERISTICS

Heater Voltage	6.3 V
Heater Current	135 mA
Plate Current	18 mAdc
Amplification Factor	56 Avg. value
Transconductance	6500 μmhos
Power Oscillation*	35 mW Min.

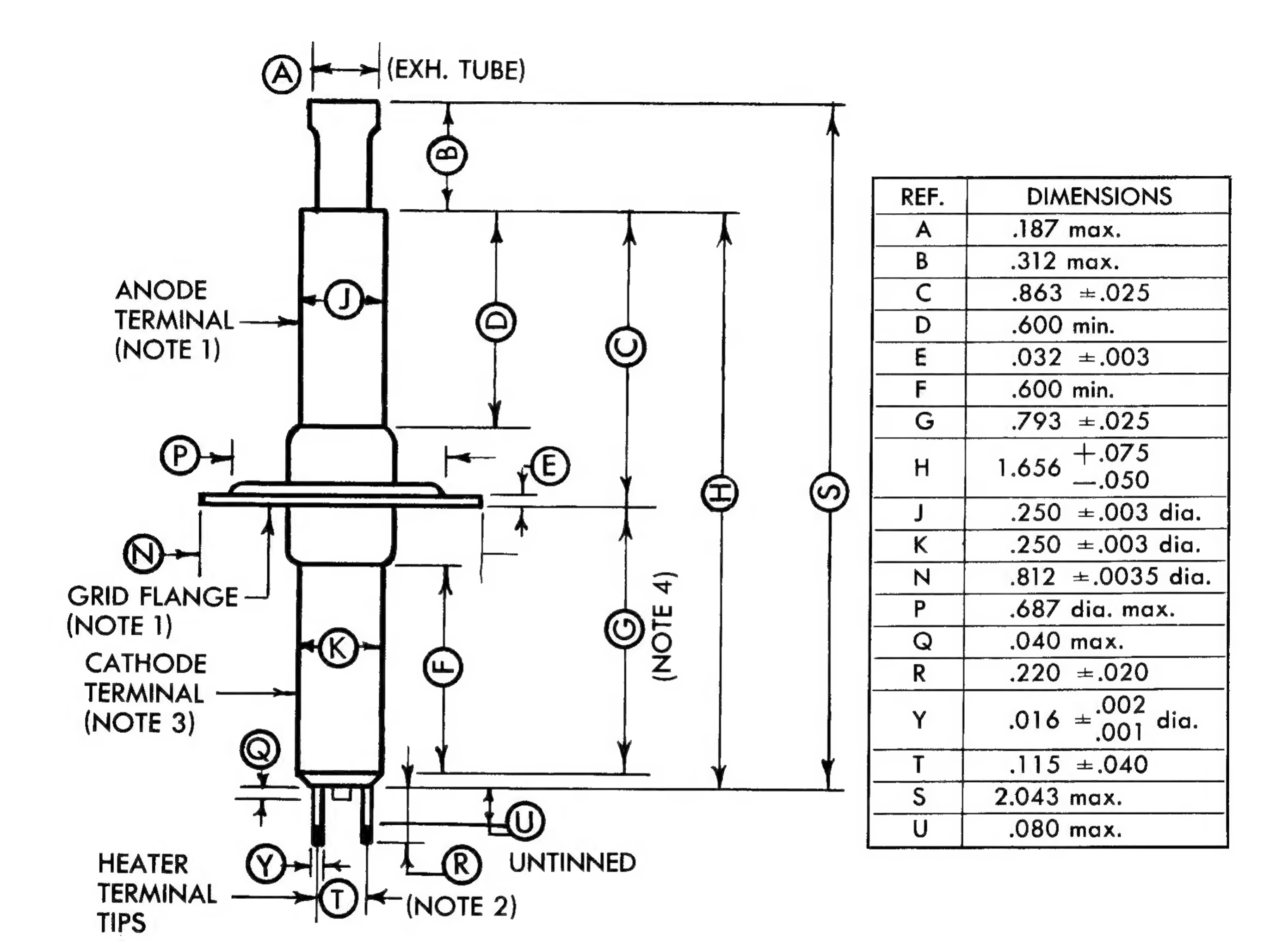
*Eb = 250V
Rg/Ib = 25 mAdc
Rk = 0
F = 3000 ± 25mc

TYPICAL OPERATING CONDITIONS

Plate Voltage	200 V
Plate Current (Adjust Cathode Resistor for Plate Current)	19 mAdc
Power Output at 1700 mc	450 mW

SYLVANIA ELECTRIC PRODUCTS INC. ELECTRONICS DIVISION
1740 Broadway, New York 19, New York

4-53-42



REF.	DIMENSIONS
A	.187 max.
B	.312 max.
C	.863 ±.025
D	.600 min.
E	.032 ±.003
F	.600 min.
G	.793 ±.025
H	1.656 +.075 −.050
J	.250 ±.003 dia.
K	.250 ±.003 dia.
N	.812 ±.0035 dia.
P	.687 dia. max.
Q	.040 max.
R	.220 ±.020
Y	.016 ± .002/.001 dia.
T	.115 ±.040
S	2.043 max.
U	.080 max.

Note 1: Maximum allowable eccentricity of anode terminal or grid flange with respect to cathode terminal is .008 in. measured .080 in. from end of anode and cathode. Tube to be chucked .050 in. to .100 in. from the cathode flange.

Note 2: Leads trimmed and tinned.

Note 3: No glass from stem sealing to be present on the cathode terminal surface and the outer edge of the glass button at no point shall protrude radially beyond the extended cylindrical surface of the cathode terminal.

Note 4: Maximum allowable tilt of grid flange is .020 in. with respect to rotational axis of cathode terminal as determined by chucking the cathode terminal, rotating the tube, and gauging the total travel distance of the flange parallel to the axis at a point approximately .020 in. inward from its edge for one complete revolution.